

INTEROPERABILITY GOAL – Establish regional interoperability:

Interoperability is the ability of fire service, law enforcement, emergency medical service agencies and dispatch centers to acquire operational plans, equipment and other resources that allow them to interact in wildland fire prevention, mitigation and control with personnel safety as the number one priority.

- **MAPPING OBJECTIVE:** Develop and maintain accurate local maps.
- **COMMUNICATIONS OBJECTIVE:** Seek solutions to any limitations of the Emergency Communications system.
- **RADIO EQUIPMENT OBJECTIVE:** Consult the Interagency Wildland Fire Coordinating Group's recommendations on radio communication equipment.
- **INTERAGENCY OBJECTIVE:** Improve emergency responder interoperability locally, regionally and nationally.

ACTION PLAN for INTEROPERABILITY GOAL - ESTABLISH REGIONAL INTEROPERABILITY

ACTION ITEMS	Description	Coordinating Agencies	Available Funding & all other Available Resources	Supplies Needed to Take Action & Complete Action	Anticipated Achievement or Outcome	Social and Environment Benefits	Milestones	Timeline
MAPPING Objective:	Develop accurate local Geographic Information Systems mapping.							
Map Sets Action Item	Provide uniform map sets in hardcopy and digital formats for all fire agencies within Blaine County.	Alpine Enterprises and Blaine County GIS Manager	Fire Planning and Fire Mitigation Funding	Satellite Imagery, Addressing System, Global Positioning System, Blaine County GIS Survey Control Network, Geographic Information System and Map Sets	Uniform Hardcopy and Digital Map Sets for fire jurisdictions	Improved fire prevention and fire mitigation capability	Obtain completed GIS Fire Mapping	Oct-04
Map Features Action Item	Use map layers to illustrate, at a minimum, the following features: fuel types and densities, access roads, bridges, water supplies and property addresses.	Alpine Enterprises and Blaine County GIS Manager	Fire Planning and Fire Mitigation Funding	Geographic Information System and Map Sets, Vegetation Maps, Fuels Modeling Information, Road, Bridge and Water Source Information	Uniform Hardcopy and Digital Map Feature Layers for fire jurisdictions	Improved fire prevention and fire mitigation capability	Obtain completed GIS Feature Layers	Oct-04
Mapping Consistency Action Item	Utilize a consistent data collection methodology for uniform map production and ongoing map revisions.	Alpine Enterprises and Blaine County GIS Manager	Fire Planning and Fire Mitigation Funding	GIS Metadata	Uniform Hardcopy and Digital Map Production for fire jurisdictions	Improved fire prevention and fire mitigation capability	Obtain GIS Fire Mapping Metadata	Oct-04
Map Access Action Item	Prepare mapping in a digital format that is accessible through mobile data terminals.	Alpine Enterprises and Blaine County GIS Manager	Fire Planning and Fire Mitigation Funding	Geographic Information System Map Sets	An approved digital map format for use in mobile data terminals	Improved fire prevention and fire mitigation capability	Determine a compatible digital map format for transmitting to mobile data terminals	Dec-04

Mapping Manipulation Action Item	Provide the capability to "zoom" views of digitally mapped areas "in" for site detail and "out" for incident overview.	Alpine Enterprises and Blaine County GIS Manager	Fire Planning and Fire Mitigation Funding	Geographic Information System with Compatible Hardware and GIS Map Sets	Ability to manipulate GIS map sets and feature layers	Improved fire prevention and fire mitigation capability	Obtain GIS Fire Mapping	Oct-04
COMMUNICATIONS Objective:	Seek solutions to any limitations of the emergency communication system.							
Radio Coverage Action Item	Review radio coverage maps and determine how improvements can be made to provide enhanced and adequate communication coverage.	Fire Agencies, EMS Council, Blaine County Communications Center Board , Radio Consultants	Blaine County, Foundation Grants, Department of Homeland Security and Fire Act Funding	Radio Coverage Maps	Enhanced and Adequate Communications Coverage	Enhanced Firefighter Safety and Interoperability between fire agencies	Obtain Radio Coverage Maps	Oct-04
County Communications Plan Action Item	Review and implement the proposed Blaine County Communications Plan.	Fire Agencies, EMS Council, Blaine County Communications Center Board , Radio Consultants	Blaine County, Foundation Grants, Department of Homeland Security and Fire Act Funding	The Proposed Blaine County Communications Plan	Enactment of the Proposed Blaine County Communications Plan	Enhanced Firefighter Safety and Interoperability between fire agencies	Schedule Meeting to review proposed Blaine County Communications Plan	Oct-04
Multiple Communication Centers Action Item	Coordinate an operational plan between Blaine County communication centers and the regional BLM and USFS communication center.	Fire Agencies, EMS Council, Blaine County Communications Center Board , Radio Consultants, BLM & USFS Communication Center	Blaine County, Foundation Grants, Department of Homeland Security and Fire Act Funding	Memorandums of Agreement and Mutual Aid Agreements	Coordination between Communication Centers for Federal and Local Fire Agencies	Enhanced Firefighter Safety and Interoperability between fire agencies	Schedule a workshop to develop an operational plan between Federal and Blaine County communication centers	Jan-05
Mobile Data Terminal Action Item	Provide local digital map sets to the communication centers for use with mobile data terminals for daily use in fuels reduction, fire prevention and other incidents that jeopardize public safety.	Fire Agencies, EMS Council, Blaine County Communications Center Board , Blaine County GIS Manager	Blaine County, Foundation Grants, Department of Homeland Security and Fire Act Funding	Local GIS digital map sets	Ability to utilize accurate maps within mobile data terminals	Enhanced Firefighter Safety and Interoperability between fire agencies	Obtain Digital Map Sets	Oct-04

RADIO EQUIPMENT Objective:	Consult the Interagency Wildland Fire Coordinating group's recommendations on radio communication equipment.							
Radio equipment Evaluation Action Item	Evaluate the various makes and models of approved radio equipment.	The National Wildland Coordinating Group, The Blaine County Communications Center Board, Local Fire Agencies	Department of Homeland Security and Fire Act Funding, Foundation Grants	Information and product samples of various makes and models of approved radio equipment	The selection of appropriate radio equipment	Enhanced Firefighter Safety and Interoperability between fire agencies	Collect product samples and specifications for approved radio equipment	Jan-05
Radio Equipment Funding Action Item	Acquire funding for recommended equipment purchases.	The Blaine County Communications Center Board, Local Fire Agencies, EMS Council	Department of Homeland Security and Fire Act Funding, Foundation Grants	Funding and Grant Applications	Acquired Funding for radio equipment purchase	Enhanced Firefighter Safety and Interoperability between fire agencies	Research funding sources	Jan-05
Radio Equipment Purchase Action Item	Purchase radio equipment that meets the recommendations and the needs of your agency.	The Blaine County Communications Center Board, Local Fire Agencies, EMS Council	Department of Homeland Security and Fire Act Funding, Foundation Grants	Information and product samples of various makes and models of approved radio equipment and funding	Acquisition of approved radio equipment	Enhanced Firefighter Safety and Interoperability between fire agencies	Develop specifications that define radio equipment needs and desired capabilities	Mar-05
INTERAGENCY Objective:	Improve emergency responder interoperability locally, regionally and nationally.							
Personal Protective Equipment Action Item	Adopt nationally recognized personal protective equipment standards for all cooperating agencies involved in fire prevention, mitigation and control.	Area Fire Agencies	Local Fire Budget	National Standards for Personal Protective Equipment	Provision of recognized Personal Protective Equipment to all Firefighters	Improved Firefighter Safety	Review National Standards for Personal Protective Gear	Nov-04
Joint Purchases Action Item	Accomplish joint purchases of equipment for efficiency and compatibility during a multi-agency incident.	Area Fire Agencies, Bureau of Land Management and Forest Service,	Department of Homeland Security and Fire Act Funding, Foundation Grants	Fire Agency Lists of needed equipment for joint purchases	Joint Purchasing Effort Established	Reduced Costs and Improved Compatibility of Needed Equipment	Determine Equipment Needs and compare Fire Agency Lists of Needs	Nov-04

Training Courses Action Item	Develop training courses that meet the required job proficiencies while recognizing each participant's previous level of training.	Area Fire Agencies, BLM and Forest Service, Idaho Fire Service Training, International Fire Service Training Association	Department of Homeland Security and Fire Act Funding, Foundation Grants	Wildland Fire Training Courses and Proficiencies and Structural Training Courses and Proficiencies	Wildland training that utilizes previous skills and knowledge to condense courses	Increased skill level and more trained personnel	Compare and evaluate lesson plans	Jan-04
Operational Plan for Fuel Mitigation Action Item	Develop interagency operational plans that utilize consistent methodology to promote fire prevention and fuel mitigation.	Area Fire Agencies, Bureau of Land Management and Forest Service,	Fire Mitigation Funding	Current operational plans	Consistent plans promoting fire prevention and fuel mitigation	Promotion of Firewise Communities	Collect and review fire prevention and fuel mitigation plans	Jan-04
Operational Plan for Response Action Item	Develop interagency response operational plans that are compatible in the event of a multi-agency response.	Area Fire Agencies, BLM and Forest Service, area Law Enforcement, Blaine County Communication Center, Idaho Bureau of Disaster Services	Department of Homeland Security and Fire Act Funding, Foundation Grants	Current operational response plans	Compatible operational response plans	Improved fire prevention and fire control	Collect and review operational plans	Jan-04
Contingency Plans Action Item	Develop interagency contingency plans for reducing fuels when conditions are not appropriate for prescribed burns.	Area Fire Agencies, Bureau of Land Management and Forest Service,	Fire Mitigation Funding	Optional plans for options to prescribed burning	Options to prescribed burning	Fuel reduction to create Firewise Communities	Collect and review proposed plans for prescribed burns	Jan-04

Bald Mountain Wildland Fire Workgroup - Schedule

Month	Location	Host Agency	Topic	Topic Presentation Agency
January	WR STA3/Bellevue Guard Station Highway 75	Wood River Fire and Rescue Bart Lassman or Jeff Nivens 788.5577	Training and Certification	BLM-Upper Snake District Tony Davis
February			Handline Construction and FFSafety	
March	SNRA Headquarters	Sawtooth NF and SNRA Bill Murphy 622.	ICS and Communications	Ketchum Fire - Mike Elle
April	Hailey Fire Station	Hailey Fire Mike Chapman or Carl Hjelm 788.3147	Engine and Foam Operations	
May	Greenhorn Gulch Station 95 Fire Station Drive (12205 Highway 75)	Ketchum Rural Fire District Greg Schwab or Robbie Englehart 726.7805	Tabletop Exercise	Interagency Interface Drill Agency
June	Interagency Interface Drill Site TBA	Interface Drill Host Agency TBA	Interagency Interface Drill TBA	Interface Drill Host Agency TBA
July	Freidman Memorial Airport	Freidman Memorial ARFF Pete Kramer	Aviation and Air Operations	USFS-Sawtooth Helitack
August	Griffin Butte Fire Station 13100 Highway 75	Ketchum Fire Department Greg Schwab or Robbie Englehart 726.7805	Wildand Urban Interface Ops	
September	Elkhorn Fire Station Arrowleaf	Sun Valley Fire Jeff Carnes or Mike Eicheta 622.8234	Fuels Mitigation Projects	USFS-Sawtooth NF Matt Filbert

* All meetings are held on the third Thursday of the month at 1000 hours.

**Interagency Interface Drill is held on the last Saturday in June.

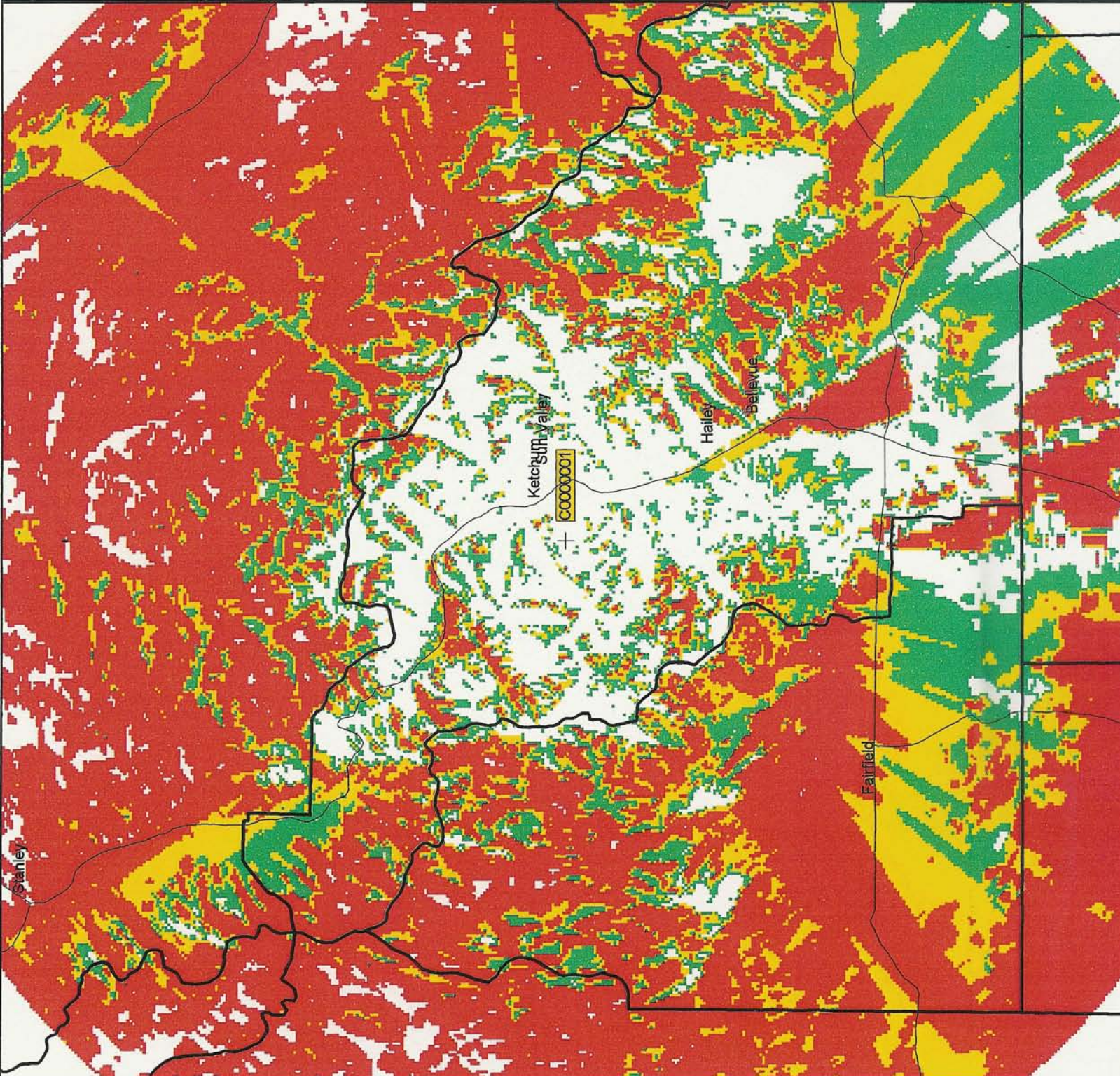
	Airport	Bellevue	Carey	Hailey	Ketchum	Sun Valley	Wood River	USFS	BLM	BC S & R	Galena
1	Airport Ops	Yellow 1	Red 1	Yellow 1	Gold 1	Gold 1	Yellow 1	Gold 1	Yellow 1	1 S&R 1	S&R 1
2	Yellow 1	Yellow 2	Red 2	Yellow 2	Gold 2	Gold 2	Yellow 2	Gold 3	Yellow 3	2 S&R 2	S&R 2
3	Yellow 2	Yellow 3	Red 3	Yellow 3	Gold 3	Gold 3	Yellow 3	Gold 4	Gold 1	3 S&R 3	S&R 3
4	Red 1	Red 1	Yellow 1	Red 1	Gold 4	Gold 4	Red 1	Yellow 1	Gold 3	4 S&R 4	S&R 4
5	Gold 1	Gold 1	Yellow 3	Gold 1	Gold 5	Gold 5	Gold 1	Yellow 3	Gold 4	5 Yellow 1	Gold 1
6	Gold 3	Gold 3	Gold 1	Gold 3	Yellow 1	Yellow 1	Gold 3	Red 1	Red 1	6 Heli Ski	Heli Ski
7	F.E.R.N.	F.E.R.N.	F.E.R.N.	F.E.R.N.	F.E.R.N.	F.E.R.N.	F.E.R.N.	F.E.R.N.	F.E.R.N.	7 F.E.R.N.	F.E.R.N.
8	EMS 1	EMS 1	EMS 1	EMS 1	EMS 1	EMS 1	EMS 1	EMS 1	EMS 1	8 EMS 1	EMS 1
9	EMS 2	EMS 2	EMS 2	EMS 2	EMS 2	EMS 2	EMS 2	EMS 2	EMS 2	9 EMS 2	EMS 2
10	Blue 1	Blue 1	Blue 1	Blue 1	Blue 1	Blue 1	Blue 1	Blue 1	Blue 1	10 Blue 1	Blue 1
11	Blue 2	Blue 2	Blue 2	Blue 2	Blue 2	Blue 2	Blue 2	Blue 2	Blue 2	11 Blue 2	Blue 2
12	Green 1	Green 1	Green 1	Green 1	Green 1	Green 1	Green 1	Green 1	Green 1	12 Green 1	Green 1
13	Green 2	Green 2	Green 2	Green 2	Green 2	Green 2	Green 2	Green 2	Green 2	13 Green 2	Green 2
14	S.I.F.C.	S.I.F.C.	S.I.F.C.	S.I.F.C.	S.I.F.C.	S.I.F.C.	S.I.F.C.	S.I.F.C.	S.I.F.C.	14 S.I.F.C.	S.I.F.C.
15	USFS Tac 1	USFS Tac 1	USFS Tac 1	USFS Tac 1	USFS Tac 1	USFS Tac 1	USFS Tac 1	USFS Tac 1	USFS Tac 1	15 USFS Tac 1	
16	BLM Tac 3	BLM Tac 3	BLM Tac 3	BLM Tac 3	BLM Tac 3	BLM Tac 3	BLM Tac 3	BLM Tac 3	BLM Tac 3	16 BLM Tac 3	

S.I.F.C. South Idaho Fire Center - Shoshone
F.E.R.N. Federal Emergency Radio Network

Proposed Name	Existing Name	Properties
Yellow 1	Yellow	Bald Rptr
Yellow 2	White	Simplex
Yellow 3	Silver	Bell Rptr
Red 1	Orange	Bell Rptr
Red 2	Pink	Simplex
Red 3	Red	Bald Rptr
Blue 1	Blue	Della Rptr
Blue 2	Purple	Simplex
Green 1	Green	Simplex
Green 2	Brown	Simplex
F.E.R.N.	Federal Emergency Radio Network	
EMS 1	Hospital	Simplex
EMS 2	State Communications	Network
Gold 1	K/SV F1	Bald Rptr
Gold 2	K/SV F2	Simplex
Gold 3	KFD F3 Work	Simplex
Gold 4	SV F4 City	Dollar Rptr
Gold 5	SV F3 Work	Simplex
S.I.F.C.	South Idaho Fire Center	

Radio Maps

These radio maps were created by Autophone, from Twin Falls, Idaho. The four radio towers in Blaine County, Bald Mountain, Della Mountain, Bell Mountain, and Picabo, were tested for coverage at both 150 Mhz and 450 Mhz. They demonstrate the received power at the remote transmitter. Areas of no coverage appear red on the map, areas of intermittent or patchy coverage appear yellow, green areas show reasonable coverage and white areas are fully covered.



MSITE™: Bald Mountain Lookout.map

Prop. model: TIREM-EDX
Time: 90.0% Loc.: 90.0%
Prediction Confidence Margin: 0.0dB
Climate: Continental Temperate
Land use (clutter): none
Atmospheric Abs.: none
K Factor: 1.333
RX Antenna - Type: OMNI
Height: 5.9 ft AGL Gain: 0.00 dBd

City Label

☐ US Min
☐ US Maj
☐ St Min
☐ St Maj
☐ County Line

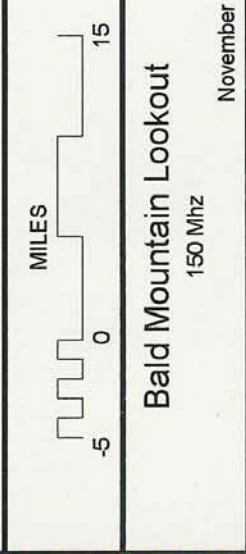
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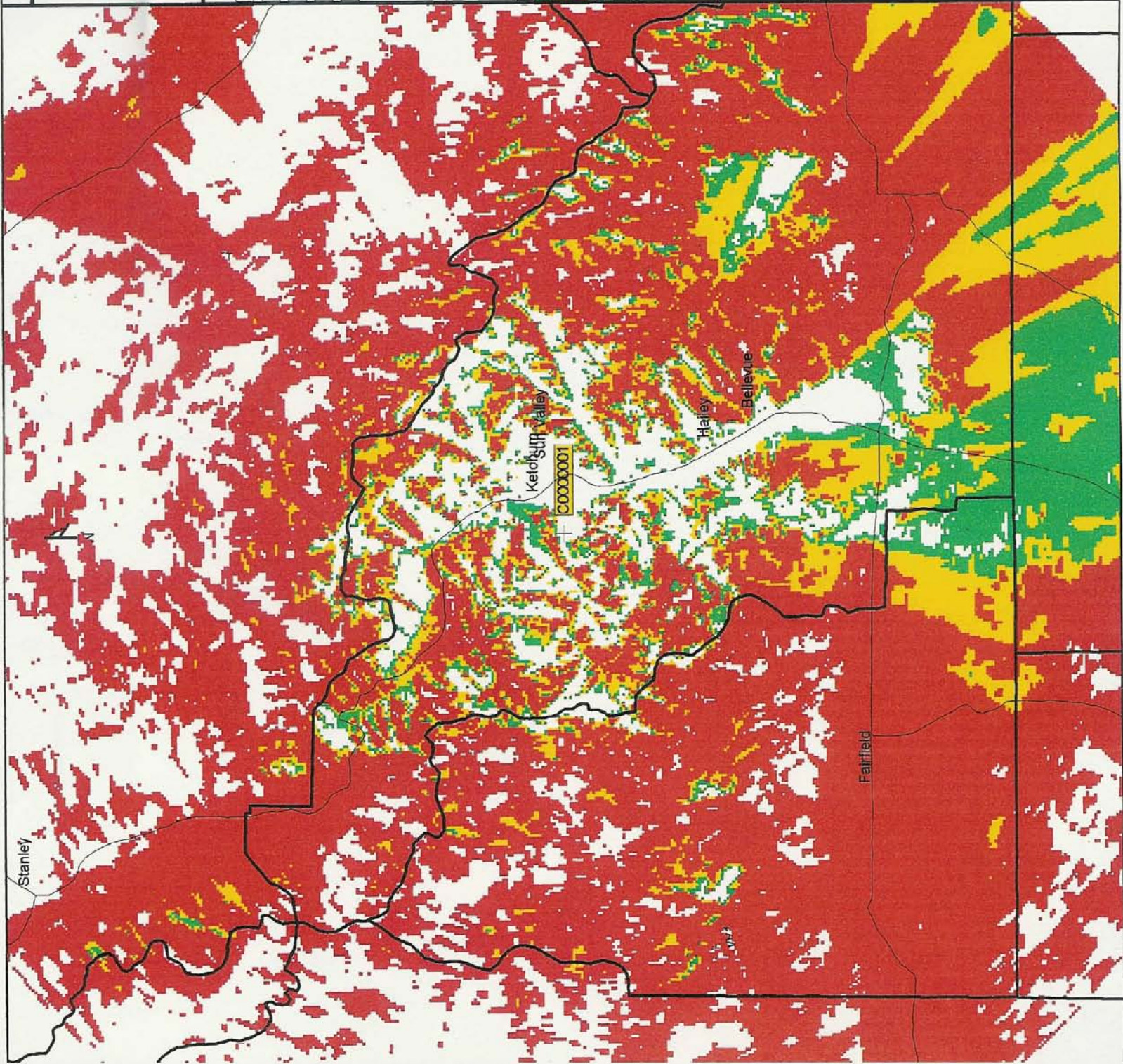
Site: Bald Mountain Lookout
N43°39'24.00" W114°24'31.00" 8943.6 ft
C00000001 Tx.Ht.AGL: 50.0 ft ERPd: 22.68 dBW
Grp: 1 Omni-V/D.0° 150.0000 MHz

Received power at remote

> -86.0 dBmW
-96.0 to -86.0 dBmW
-106.0 to -96.0 dBmW
< -106.0 dBmW

Min. receiver threshold level: -120.0 dBmW
Reference Grid (spacing: 30')





MSITE™: Bald Mountain Lookout map

Prop. model: TIREM-EDX
Time: 90.0% Loc.: 90.0%
Prediction Confidence Margin: 0.0dB
Climate: Continental Temperate
Land use (clutter): none
Atmospheric Abs.: none
K Factor: 1.333
RX Antenna - Type: OMNI
Height: 5.9 ft AGL Gain: 0.00 dBd

City Label
☐ US Min
☐ US Maj
☐ St Min
☐ St Maj
☐ County Line

Sites
Site: Bald Mountain Lookout
N43°39'24.00" W114°24'31.00" 8943.6 ft
C00000001 Tx.Ht.AGL: 50.0 ft ERPd: 22.41 dBW
Grp: 1 Omni-V/D.0° 460.0000 MHz

Received power at remote
☐ > -86.0 dBmW
☐ -86.0 to -96.0 dBmW
☐ -96.0 to -106.0 dBmW
☐ < -106.0 dBmW
Min. receiver threshold level: -120.0 dBmW
☐ Reference Grid (spacing: 30')

MILES
-5 0 15

Bald Mountain Lookout
460 Mhz
November

Prop. model: TIREM-EDX
Time: 90.0% Loc.: 90.0%
Prediction Confidence Margin: 0.0dB
Climate: Continental Temperate
Land use (clutter): none
Atmospheric Abs.: none
K Factor: 1.333
RX Antenna - Type: OMNI
Height: 5.9 ft AGL Gain: 0.00 dBd

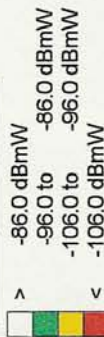
City Label

<input type="checkbox"/>	US Min
<input type="checkbox"/>	US Maj
<input type="checkbox"/>	St Min
<input type="checkbox"/>	St Maj
<input type="checkbox"/>	County Line

Sites

Site: Bell Mountain
N43°25'52.00" W114°06'35.00" 7693.2 ft
C00000001 Tx.Ht.AGL: 50.0 ft ERPd: 22.68 dBW
Grp: 1 Omni-V/0.0° 150.0000 MHz

Received power at remote



Min. receiver threshold level: -120.0 dBmW

Reference Grid (spacing: 30')

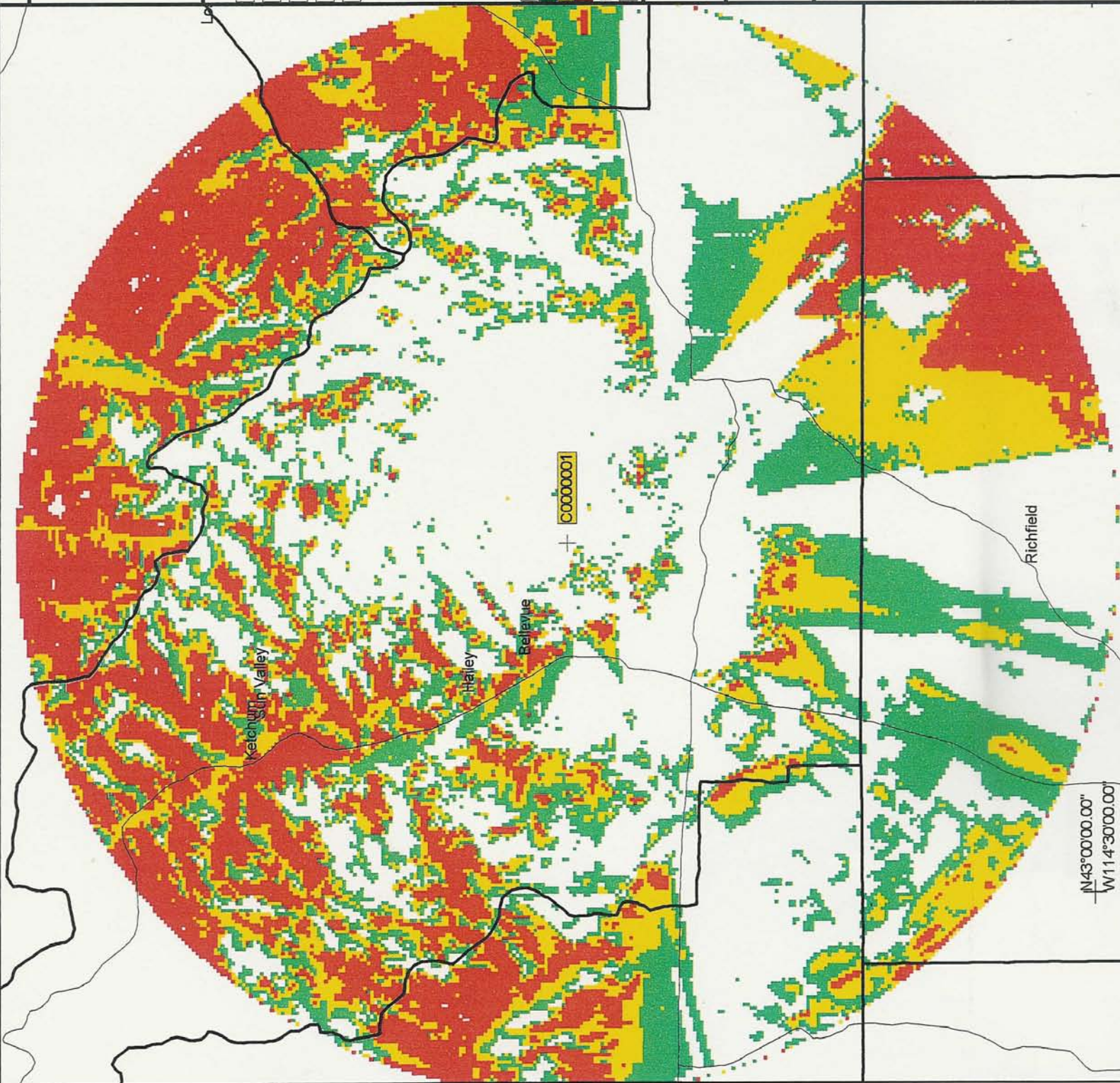
MILES



Bell Mountain

150 Mhz

November



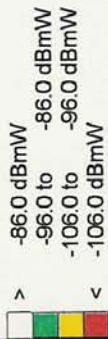
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Time: 90.0% Loc.: 90.0%
Prediction Confidence Margin: 0.0dB
Climate: Continental Temperate
Land use (clutter): none
Atmospheric Abs.: none
K Factor: 1.333
RX Antenna - Type: OMNI
Height: 5.9 ft AGL Gain: 0.00 dBd

- City Label
- ☐ US Min
 - ☐ US Maj
 - ☐ St Min
 - ☐ St Maj
 - ☐ County Line

Sites

Site: Bill Mountain
N43°25'52.00" W114°06'35.00" 7693.2 ft
C00000001 Tx.Ht.AGL: 50.0 ft ERPd: 22.41 dBW
Grp: 1 Omni-V10.0° 460.0000 MHz

Received power at remote



Min. receiver threshold level: -120.0 dBmW
Reference Grid (spacing: 30')

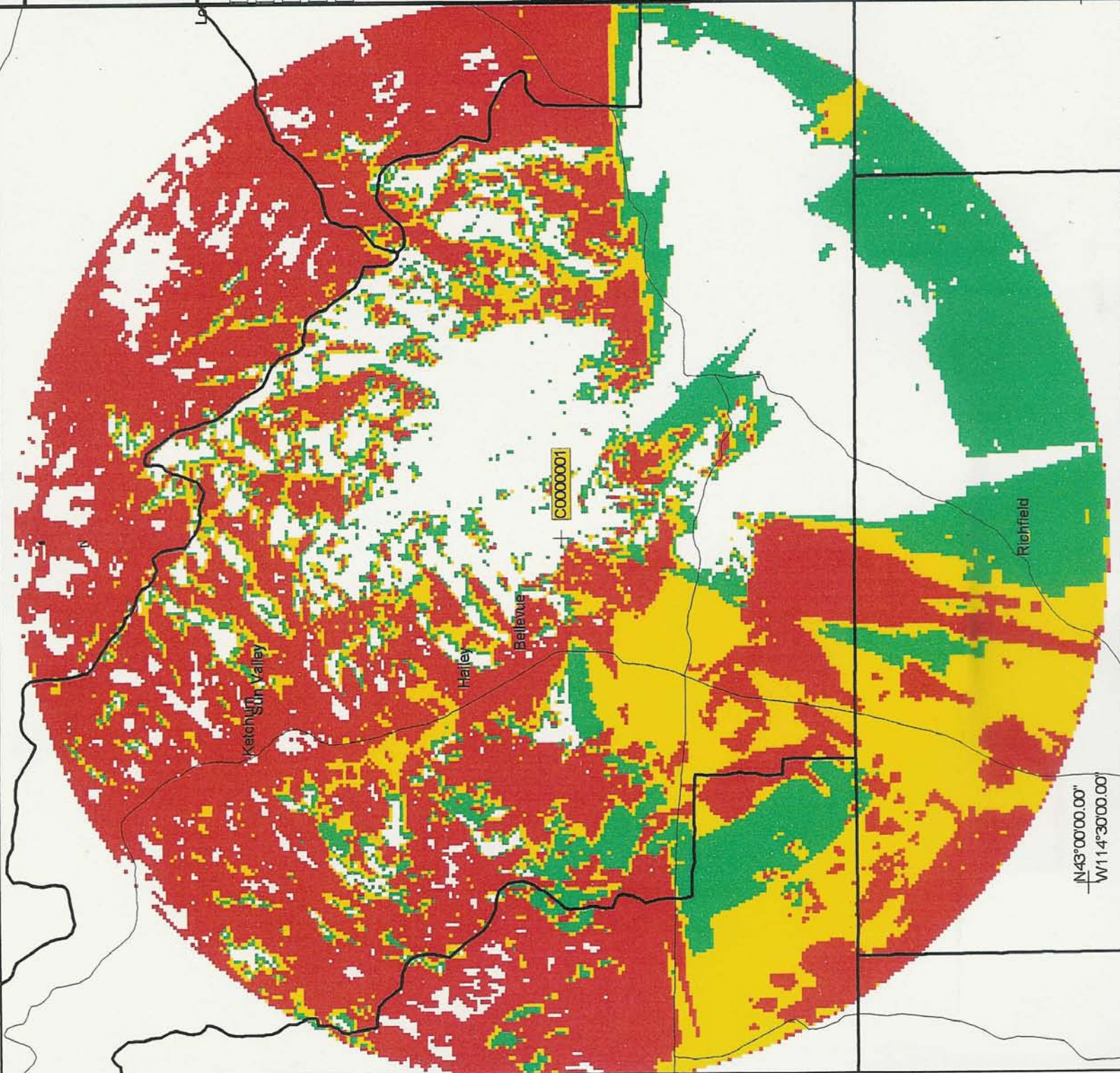
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Bell Mountain

460 Mhz

November



Prop. model: TIREM-EDX
Time: 90.0% Loc.: 90.0%
Prediction Confidence Margin: 0.0dB
Climate: Continental Temperate
Land use (clutter): none
Atmospheric Abs.: none
K Factor: 1.333
RX Antenna - Type: OMNI
Height: 5.9 ft AGL Gain: 0.00 dBd

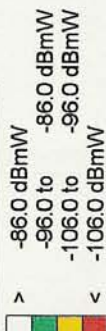
City Label

☐ US Min
☐ US Maj
☐ St Min
☐ St Maj
☐ County Line

Sites

Site: Della Mountain
N43°30'12.00" W114°19'15.00" 6256.6 ft
C0000001 Tx.Ht.AGL: 50.0 ft ERPd: 22.68 dBW
Grp: 1 Omni-V/0.0° 150.0000 MHz

Received power at remote



Min. receiver threshold level: -120.0 dBmW

☐ Reference Grid (spacing: 30')

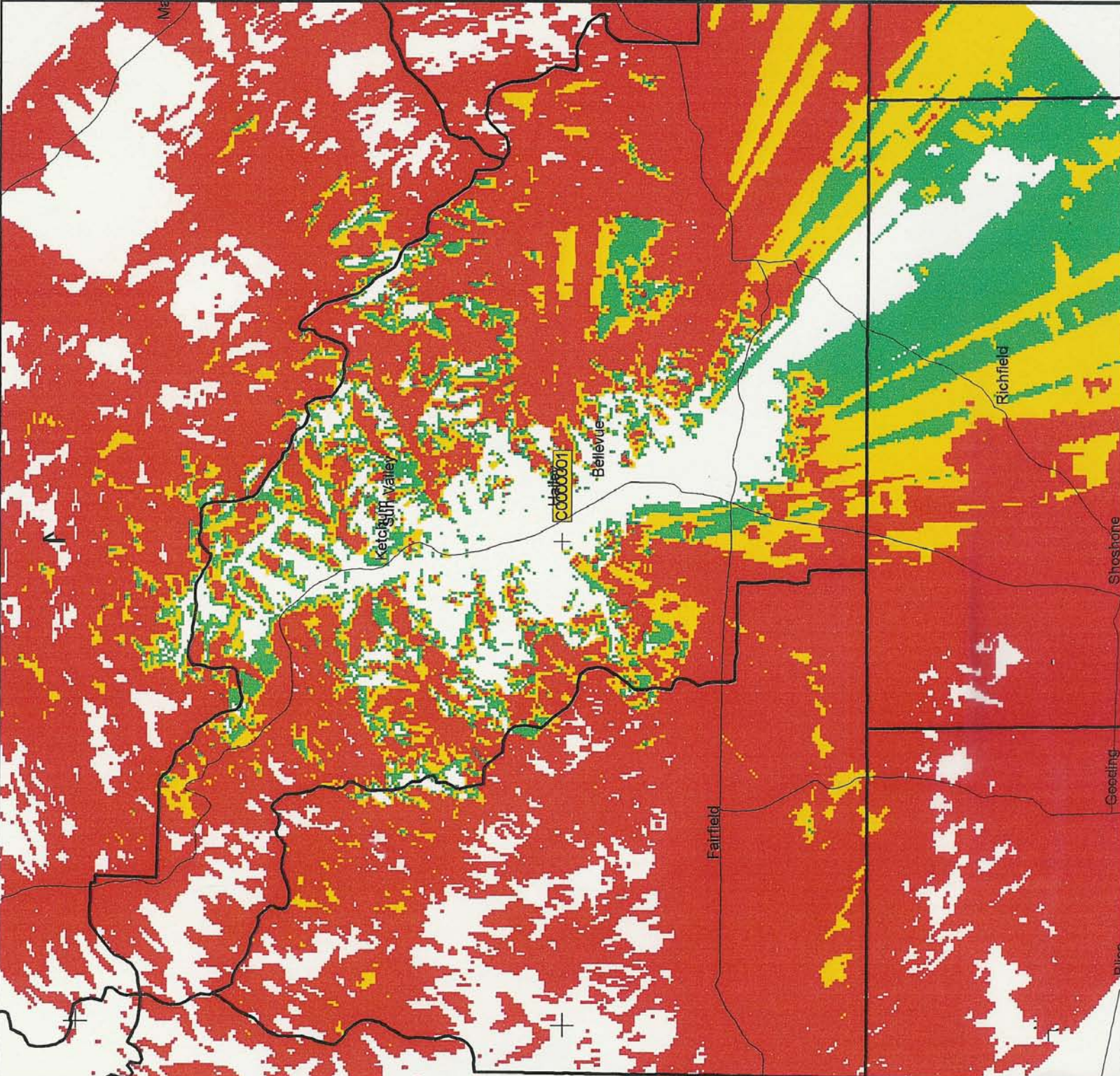
MILES



Della Mountain

150 Mhz

November



MSITE™: Della Mountain.map

Prop. model: TIREM-EDX
 Time: 90.0% Loc.: 90.0%
 Prediction Confidence Margin: 0.0dB
 Climate: Continental Temperate
 Land use (clutter): none
 Atmospheric Abs.: none
 K Factor: 1.333
 RX Antenna - Type: OMNI
 Height: 5.9 ft AGL Gain: 0.00 dBd

- City Label
- ☐ US Min
 - ☐ US Maj
 - ☐ St Min
 - ☐ St Maj
 - ☐ County Line

Sites

Site: Della Mountain
 N43°30'12.00" W114°19'15.00" 6256.6 ft
 C0000001 Tx.Ht.AGL: 50.0 ft ERPd: 22.41 dBW
 Grp: 1 Omni-V0.0° 460.0000 MHz

Received power at remote

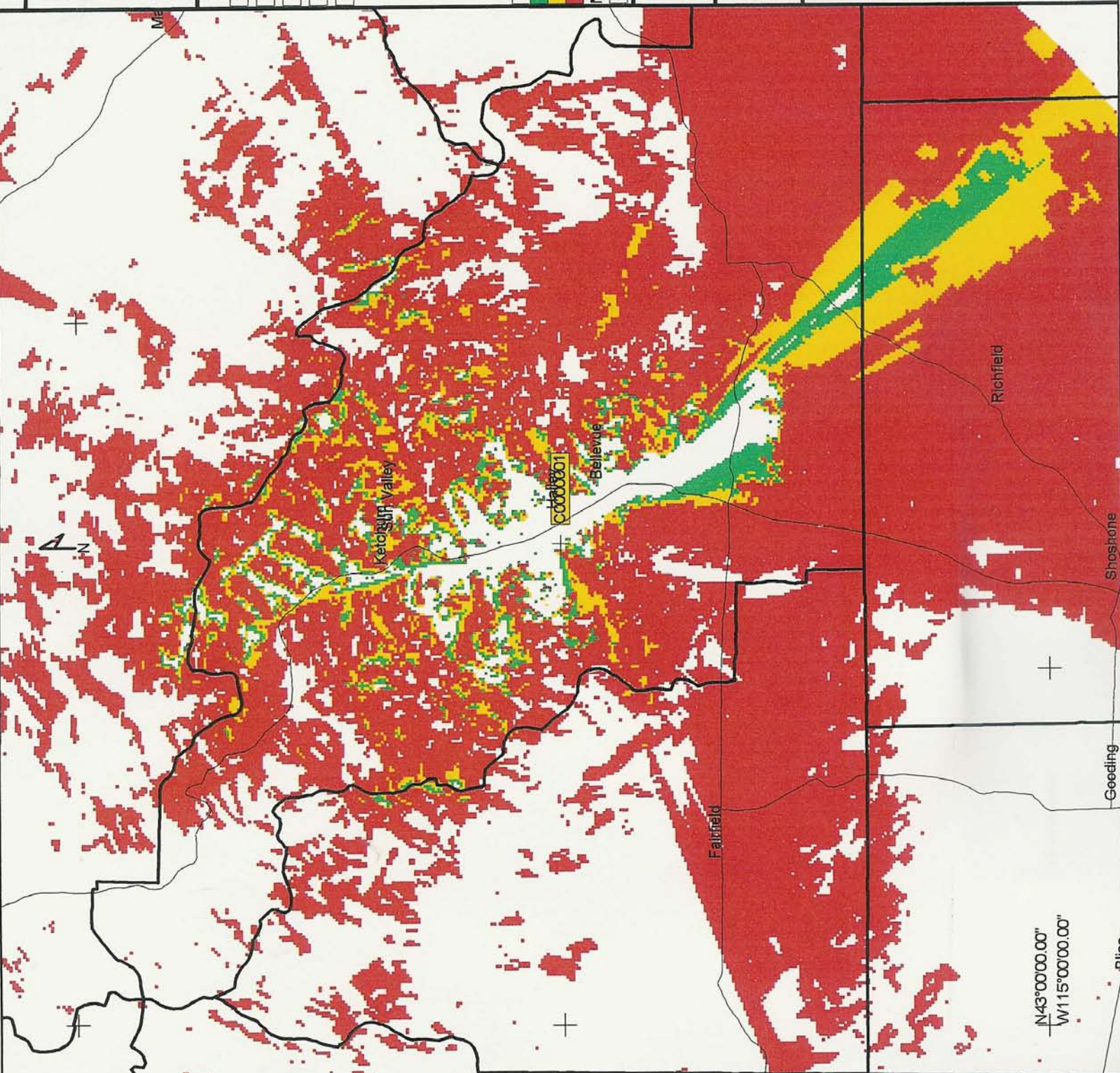
- > -86.0 dBmW
- 96.0 to -86.0 dBmW
- 106.0 to -96.0 dBmW
- < -106.0 dBmW

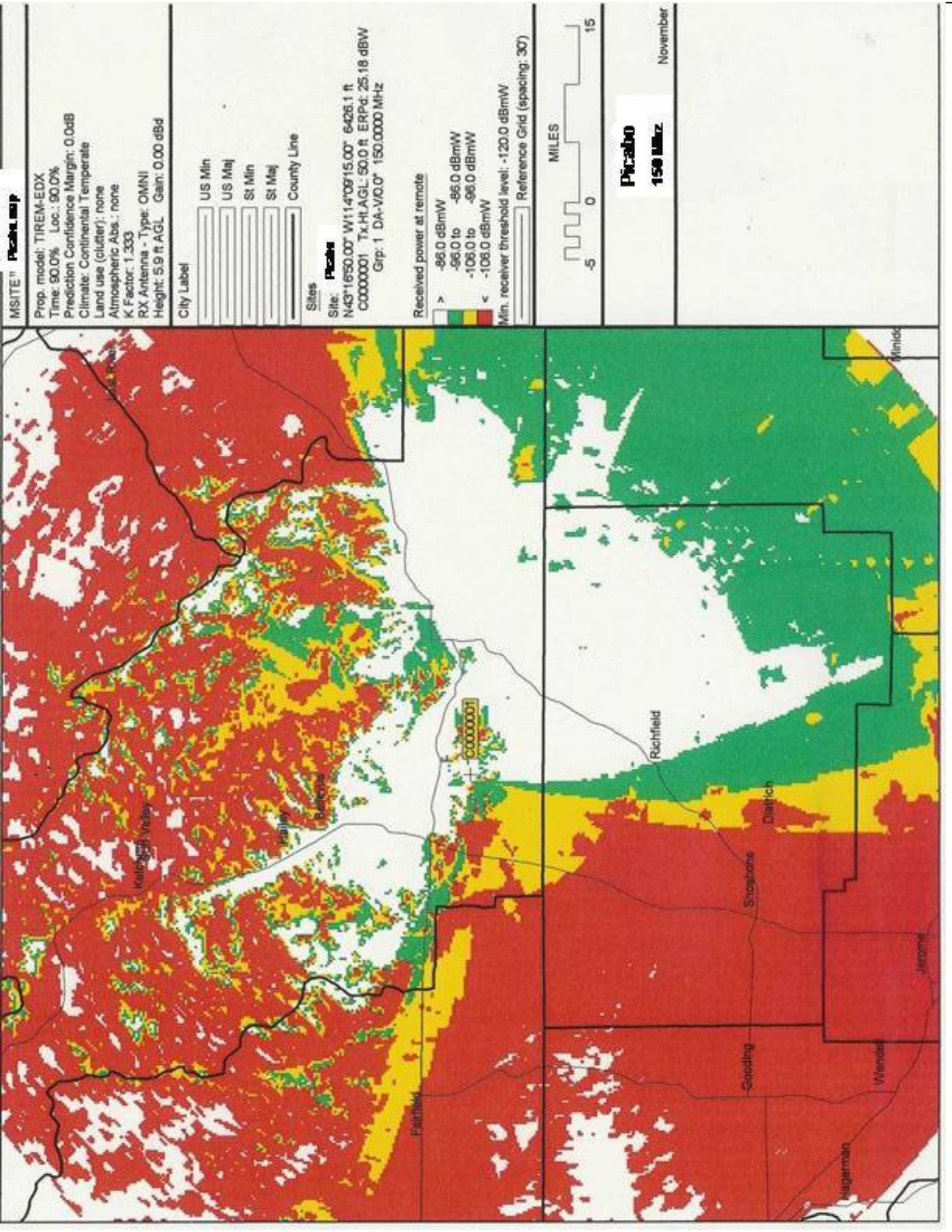
Min. receiver threshold level: -120.0 dBmW
 Reference Grid (spacing: 30')

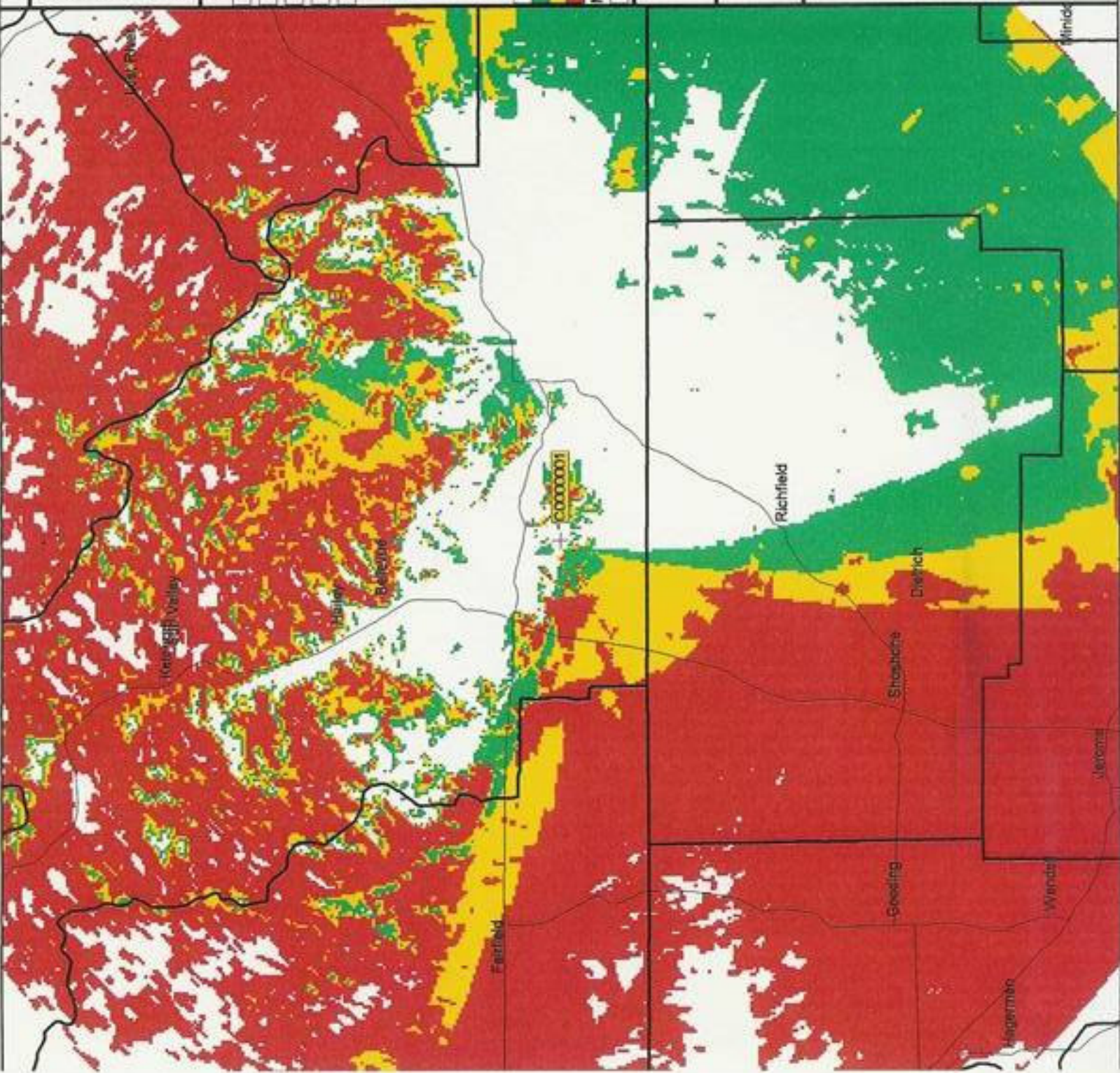


Della Mountain
 460 Mhz

November







MSITE™: **Picabo map**

Prop. model: TIREM-EDX
Time: 90.0% Loc.: 90.0%
Prediction Confidence Margin: 0.0dB
Climate: Continental Temperate
Land use (clutter): none
Atmospheric Abs.: none
K Factor: 1.333
RX Antenna - Type: OMNI
Height: 5.9 ft AGL Gain: 0.00 dBd

City Label

☐ US Min
☐ US Maj
☐ St Min
☐ St Maj
☐ County Line

Sites

Site: **Picabo**
N43°16'50.00"W 114°09'15.00" 6426.1 ft
C0000001 Tx Ht AGL: 50.0 ft ERPd: 24.91 dBW
Grip: 1 DA-V10.0° 460.0000 MHz

Received power at remote

☐ > -95.0 dBmW
☐ -95.0 to -105.0 dBmW
☐ -105.0 to -120.0 dBmW
☐ < -120.0 dBmW

Min. receiver threshold level: -120.0 dBmW
Reference Grid (spacing: 30')



Picabo
460 MHz

November